

## PCT Power of Attorney

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(For PCT International Patent Applications under the Patent Cooperation Treaty)

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The undersigned:

ADVANCED TECHNOLOGY MATERIALS, INC.  
7 Commerce Drive  
Danbury, CT 06810  
United States of America

hereby appoints all practitioners associated with United States Patent and Trademark  
Office customer number

**23448**

of

INTELLECTUAL PROPERTY/  
TECHNOLOGY LAW  
P.O. Box 14329  
Research Triangle Park, NC 27709  
United States of America

and additionally appoints the following practitioners:

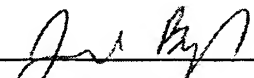
John Boyd	Registration No. 38,055
Margaret Chappuis	Registration No. 45,735

of

ADVANCED TECHNOLOGY MATERIALS, INC.  
7 Commerce Drive  
Danbury, CT 06810  
United States of America

to represent the undersigned before all the competent international authorities  
in connection with any and all international applications filed by the  
undersigned with the United States Patent and Trademark Office or the  
European Patent Office as Receiving Office and/or as International Preliminary  
Examining Authority, and to make payments on behalf of the undersigned.

ADVANCED TECHNOLOGY MATERIALS, INC.

By:  Date: Nov 4, 2005  
Name: JOHN BOYD  
Title: Chief Intellectual Property Counsel

# **PCT Power of Attorney**

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The undersigned:

**J. DONALD CARRUTHERS**

(applicant for the U.S. only)

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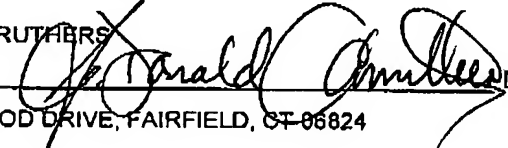
**John Boyd                      Registration No. 38,055  
Margaret Chappuis        Registration No. 45,735**

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Name: J. DONALD CARRUTHERS

Applicant's Signature: 

Date: 4/7/2006

Residence: 321 OAKWOOD DRIVE, FAIRFIELD, CT 06824

Citizenship: US

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Power of Attorney**

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The undersigned:

JOSE I. ARNO

(applicant for the U.S. only)

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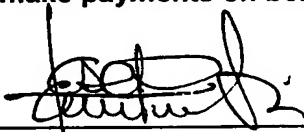
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Name: JOSE I. ARNO

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